PTC/SB/08a(07-05)
Approved for use through 7/31/2006, OMB 0651-0031
US Patent & Trademark Office; U.S. DEPARTMENT OF COMMERCE
on of information unless if contains a waited OMB control to where

Substitute for form 1449A/PTO		required to respond to a collection of information unless it contains a valid CMB confrol number	
INFORMATION DISCLOSURE	Complete If Known		
STATEMENT BY APPLICANT	Application Number	10/661,034	
	Filing Date	September 12, 2003	
	First Named Inventor	Davidow	
	Art Unit	2836	
	Examiner Name	Jackson, Stephen W.	
(Use as many sheets as necessary)			
Sheet 1 of 6	CRNT-0291-US		

			JS PATENT DOCL	
Examiner Initial *	Cite No	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document
h//		US-1547242	07/28/1925	Strieby, M.E.
//		US-2001/0038329	11/08/2001	Diamanti, Paolo et al.
		US-2001/0052843A1	12/20/2001	Wiesman et al.
		US-2001/0054953A1	12/27/2001	Kline
		US-2002/0002040A1	01/03/2002	Kline et al.
		US-2002/0097953A1	07/25/2002	Kline
		US-2002/0105413A1	08/20/2002	Cern et al.
		US-2002/0109585A1	08/15/2002	Sanderson
		US-2002/0110310A1	08/15/2002	Kline
		US-2002/0110311A1	08/15/2002	Kline
		US-2002/0118101A1	08/29/2002	Kline
		US-2002/0121963A1	09/05/2002	Kline
		US-2002/0154000A1	10/24/2002	Kline
		US-2002/0171535A1	11/21/2002	Cern
		US-2003/0054793	03/20/2003	Manis, Constantine et al.
		US-2003/0160684A1	08/28/2003	Cern
		US-2003/0169155A1	09/11/2003	Mollenkopf et al.
		US-2003/0201759A1	10/30/2003	Cern
		US-2003/0201873A1	10/30/2003	Cern
		US-2003/0210135A1	11/13/2003	Cern
		US-2003/0222747A1	12/04/2003	Perkinson et al.
		US-2003/0222748A1	12/04/2003	Cern et al.
		US-2003/0232599A1	12/18/2003	Dostert
		US-2003/0234713A1	12/25/2003	Pridmore, Jr. et al.
		US-2004/0003934A1	01/08/2004	Cope
		US-2004/0032320A1	02/19/2004	Zalitzky et al.
		US-2004/0056734A1	03/25/2004	Davidow
		US-2004/0090284A1	05/13/2004	Cern
		US-2004/0104798A1	06/03/2004	Cern
		US-2004/0110483A1	06/10/2004	Mollenkopf
		US-2004/0113756A1	06/17/2004	Mollenkopf
		US-2004/0113757A1	06/17/2004	White, II et al.
7	-	US-2004/0135676A1	07/15/2004	Berkman et al.
1/2		US-2004/0142599A1	07/22/2004	Cope et al.
1/1		US-2004/0196144A1	10/07/2004	Crenshaw et al.

EXAMINER

DATE CONSIDERED

3-19-07

PTO/SB/88a(07-05)
Approved for use through 7/31/2006. ONB 0651-0031
US Patent & Trademark Office; U.S. DEPARTMENT OF COMMERCE
on of Information unless 8 contains a vaid ONB control number

Substitu	te for form 1449A	VPTO			isclurios in respondin a coxecutori di intorinsticon dalessi a consarsi a Vand CMB confect number	
INFO	RMATION	DISCLOS	JRE	Complete If Known		
STAT	EMENT B	Y APPLICA	ANT	Application Number	10/661,034	
				Filing Date	September 12, 2003	
				First Named Inventor	Davidow	
				Art Unit	2836	
				Examiner Name	Jackson, Stephen W.	
(Use as many she	ets as necessary)				
Sheet	2	of		CRNT-0291-US		

Examiner	Cite	USP Document Number	JS PATENT DOCU Publication Date	Name of Patentee or Applicant of cited Document
Initial *	No			,
h3/		US-2004/0223617A1	11/11/2004	Corcoran et al.
7		US-2004/0227621A1	11/18/2004	Cope et al.
7		US-2004/0227622A1	11/18/2004	Giannini et al.
1		US-2005/0046550A1	03/03/2005	Crenshaw et al.
		US-2005/0122092	06/09/2005	Blasco Claret, Jorge Vicente et al.
		US-2005/0168326	08/04/2005	White, Melvin et al.
		US-2577731	12/11/1951	Berger, F.C.
		US-3369078	02/13/1968	Stradley
		US-3696383	10/03/1972	Oishi et al.
		US-3701057	10/24/1972	Hoer
		US-3702460	11/07/1972	Blose
		US-3810096	05/07/1974	Kabat et al.
		US-3846638	11/05/1974	Wetherell
		US-3895370	07/15/1975	Valentini
		US-3942170	03/02/1976	Whyte
		US-3962547	06/08/1976	Pattantyus-Abraham
		US-4004110	01/18/1977	Whyte
		US-4016429	04/05/1977	Vercellotti et al.
		US-4057793	11/08/1977	Johnson et al.
		US-4142178	02/27/1979	Whyte et al.
		US-4188619	02/12/1980	Perkins
		US-4254402	03/03/1981	Perkins
		US-4263549	04/21/1981	Toppeto
		US-4323882	04/06/1982	Gajjer
		US-4383243	05/10/1983	Krügel, 340 et al.
		US-4433284	02/21/1984	Perkins
		US-4481501	11/06/1984	Perkins
		US-4569045	02/04/1986	Schieble et al.
		US-4636771	01/13/1987	Ochs
		US-4652855	03/24/1987	Weikel
		US-4668934	05/26/1987	Shuey
		US-4675648	06/23/1987	Roth, Roger R., et al.
		US-4686382	08/11/1987	Shuey
11		US-4697166	09/29/1987	Warnagiris et al.
m		US-4724381	02/09/1988	Crimmins

EXAMINER In Jackson

DATE CONSIDERED

3-19-07

Substitute	e for form 1449A/	РТО					
INFOR	RMATION	DISCLOSURE		Complete if Known			
STAT	EMENT B	Y APPLICANT	Application Number	10/661,034			
			Filing Date	September 12, 2003			
			First Named Inventor	Davidow			
			Art Unit	2836			
			Examiner Name	Jackson, Stephen W.			
(U	lse as many shee	its as necessary)					
			CRNT-0291-US				

xaminer	Cite	USP Document Number	US PATENT DOCU	Name of Patentee or Applicant of cited Document
Initial *	No			
1/		US-4745391	05/17/1988	Gajjar
		US-4746897	05/24/1988	Shuey
		US-4890089	12/26/1989	Shuey
		US-4973940	11/27/1990	Sakai et al.
		US-5210519	05/11/1993	Moore
		US-5257006	10/26/1993	Graham et al.
		US-5351272	09/27/1994	Abraham
		US-5485040	01/16/1996	Sutterlin
		US-5497142	03/05/1996	Chaffanjon
		US-5537087	07/16/1996	Naito, Akira
		US-5559377	09/24/1996	Abraham
		US-5592354	01/07/1997	Nocentino, Jr.
		US-5625863	04/29/1997	Abraham
		US-5684450	11/04/1997	Brown
		US-5694108	12/02/1997	Shuey
		US-5705974	01/06/1998	Patel et al.
		US-5717685	02/10/1998	Abraham
		US-5770996	06/23/1998	Severson et al.
		US-5818127	10/06/1998	Abraham
		US-5850114	12/15/1998	Froidevaux
		US-5856776	01/05/1999	Armstrong et al.
		US-5864284	01/26/1999	Sanderson et al.
		US-5892430	04/06/1999	Wiesman et al.
		US-5929750	07/27/1999	Brown
		US-5933071	08/03/1999	Brown
		US-5933073	08/03/1999	Shuey
		US-5949327	09/07/1999	Brown
		US-5994998	11/30/1999	Fisher et al.
		US-6014386	01/11/2000	Abraham
		US-6023106	02/08/2000	Abraham
		US-6040759	03/21/2000	Sanderson
		US-6104707	08/15/2000	Abraham
		US-6140911	10/31/2000	Fisher et al.
110		US-6144292	11/07/2000	Brown
h/		US-6172597B1	01/09/2001	Brown

EXAMINER

DATE CONSIDERED 3-19-07

				Under the Paperwork Reduction Act of 1995, no persons are	PTO/SB/08:(07-1 Approved for use through 7/51/2005, OMB 0651-00 US Patent & Trademant Other, U.S. DEPARTMENT OF COMMER required to respond to a collection of information unless it contains a valid OMB control number.		
Substitu	ite for form 1449A	/PTO					
INFO	RMATION	DISCLOS	URE	Complete If Known			
STAT	TEMENT B	Y APPLICA	ANT	Application Number	10/661,034		
				Filing Date	September 12, 2003		
				First Named Inventor	Davidow		
				Art Unit	2836		
	•			Examiner Name	Jackson, Stephen W.		
((Use as many she	ets as necessary)					
Sheet	4	of	6	CRNT-0291-US			

Examiner	Cite	USP Document Number	US PATENT DOCL Publication Date	Name of Patentee or Applicant of cited Document
Initial *	No			
h		US-6255935	07/03/2001	Lehmann et al.
		US-6282405B1	08/28/2001	Brown
/		US-6297730B1	10/02/2001	Dickinson
/I		US-6396392B1	05/28/2002	Abraham
		US-6407987B1	06/18/2002	Abraham
		US-6452482B1	09/17/2002	Cern
		US-6515485	02/04/2003	Bullock et al.
		US-6624745	09/23/2003	Willer
		US-6646447	11/11/2003	Cern et al.
		US-6683531	01/27/2004	Diamanti et al.
		US-6686832	02/03/2004	Abraham
		US-6753742	06/22/2004	Kim
		US-6785532	08/31/2004	Rickard
		US-6809633	10/26/2004	Cern
		US-6844810B2	01/18/2005	Cern
		US-6922135	07/26/2005	Abraham, Charles
		US-6933835	08/23/2005	Kline, Paul A.
		US-6950567	09/27/2005	Kline, Paul A.
		US-6958680	10/25/2005	Kline
		US-6965302	11/15/2005	Mollenkopf, James D., et al.
		US-6965303	11/15/2005	Mollenkopf, James D.
		US-6975210	12/13/2005	Cern, Yehuda
		US-6980089	12/27/2005	Kline, Paul
		US-6980090	12/27/2005	Mollenkopf, James
		US-6982611	01/03/2006	Cope, Leonard
		US-6998962	02/14/2006	Cope, Leonard et al.
		US-7042351	05/09/2006	Kline, Paul
		US-7046124	05/16/2006	Cope, Leonard et al.
		US-7046882	05/16/2006	Kline, Paul
1/1		US-7061370	06/13/2006	Yehuda, Cern
4//		US-7102478	09/05/2006	Pridmore, Charles F., et al.

EXAMINER

3-19-07 DATE CONSIDERED

PTC/SB/08a(07-05)
Approved for use through 7/51/2006, 0M8 0551-0001
US Patent & Trademant Citize, U.S. CEPARTNENT OF COMMERCE
Unider the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 1449A/PTO **INFORMATION DISCLOSURE** Complete If Known STATEMENT BY APPLICANT **Application Number** 10/661,034 Filing Date September 12, 2003 **First Named Inventor** Davidow **Art Unit** 2836 Jackson, Stephen W. **Examiner Name** (Use as many sheets as necessary) CRNT-0291-US

Sheet

5

xayniner Igrtials	Cite No	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T²
W/		DE-100 12 235 C2	12/20/2001	Aretz,	
1		DE-101 03 530 A1	08/29/2002	Lehmann,	
T = 1		DE-101 19 039 A1	12/05/2002	Haible,	
		DE-101 19 040 A1	12/05/2002	Haible,	
		EP-0 470 185 B1	11/29/1995	Abraham,	
		EP-0 913 955 A2	05/06/1999	Brown,	
		EP-0 916 194 B1	09/26/2001	Rickard,	
		EP-0 948 143 A2	10/06/1999	Dzung,	
		EP-0 959 569 A1	11/24/1999	Dzung,	
		EP-1 213 849 A1	06/12/2002	Bienek,	
		GB-2 331 683 A	05/26/1999	Brown,	
		GB-2 341 776 A	03/22/2000	Hicks,	
		JP-1276933	11/07/1989	Hiroshi,	
		WO-00/59076 A1	10/05/2000	Brown,	
		WO-00/60701 A1	10/12/2000	Brown,	
		WO-01/08321 A1	02/01/2001	Erfinder,	
\		WO-01/43305 A1	06/14/2001	Erfinder,	
		WO-03/034608 A2	04/24/2003	Hamm,	***************************************
		WO-03/040732 A2	05/15/2003	Hirsch,	
111		WO-92/16920 A1	10/01/1992	Davies,	
v/		WO-98/33258 A2	07/30/1998	Greenwood,	

	OTHE	R DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
An!		"Centralized Commercial Building Applications with the Lonworks ® PLT-21 Power Line Transceiver", Lonworks Engineering Bulletin, Echelon, (Apr 1997),1-22	
5		"Demand Side Management with LONWORKS® Power Line Transceivers", LONWORKS Engineering Bulletin, (Dec 1996),1-36	
		"EMETCON Automated Distribution System", ABB Power T & D Company, Inc. (Jan 1990),1-14	
M		"IEEE Guide for Power-Line Carrier Applications, ANSI/IEEE Std 643-1980", The Institute of Electrical and Electronics Engineers, Inc., (1980),1-80	

3-19-07 **EXAMINER DATE CONSIDERED**

PTC/SB/08a(07-05)
Approved for use through 7/31/2006, OMB 0651-0331
US Patent & Trademark Office; U.S. DEPARTMENT OF COMMERCE
on of information unline; if combines useful OMB.

Substitu	te for form 1449A	VPTO .			requires as respond to a concentral or internation ruless is consults a visit constru	
INFO	RMATION	DISCLOSU	JRE		Complete if Known	
STAT	EMENT E	SY APPLICA	NT	Application Number	10/661,034	
				Filing Date	September 12, 2003	
				First Named Inventor	Davidow	
				Art Unit	2836	
				Examiner Name	Jackson, Stephen W.	
(Use as many she	ets as necessary)				
Sheet	6	of	6	CRNT-0291-US		

	OTHER		
Examiner Initials*	Cite No 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
11		"Intellon Corporation Test Summary for Transformerless Coupler Study",	
925/		(12/24/98),1-18	
	ı	"Signalling on Low-Voltage Electrical Installations in the Frequency Band 3kHz	
		"Summary of an IEEE Guide for Power-Line Carrier Applications", IEEE	
		IEEE Transactions on Power Delivery, (Oct 1992),1760-1768	
		BARSTOW, J M., "A Carrier Telephone System for Rural Service", <u>AIEE</u> <u>Transactions</u> , (1947),301-307	
-		CHANG, SS L., "Power-Line Carrier", Fundamentals Handbook of Electrical and	
		Computer Engineering, Volume II-Communication, Control, Devices and Systems, (1983),617-627	
		COAKLEY, N G., et al., "Real-Time Control of a Servosytem Using the Inverter-	
		Fed Power Lines to Communicate Sensor Feedback", <u>IEEE Transactions on Industrial Electronics</u> , (1999),360-369	
\		HASLER, E F., et al., "Communication Systems Using Bundle Conductor	
		Overhead Power Lines", <u>IEEE Transactions on Power Apparatus and Systems</u> , (Mar/Apr 1975),344-349	
		LIM, C K., et al., "Development of a Test Bed for High-Speed Power Line	
)		Communications", School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore, IEEE, (2000),451-456	
1/1		NAREDO, J L., et al., "Design of Power Line Carrier Systems on Multitransposed	
/fis/		Delta Transmission Lines", <u>IEEE Transactions on Power Delivery,</u> (1991),952- 958	
		Examiner Cite	(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. "Intellon Corporation Test Summary for Transformerless Coupler Study", Intellon No News Wires, DOT/NHTSA Order No. DTNH22-98-P-07632, (12/24/98), 1-18 "Signalling on Low-Voltage Electrical Installations in the Frequency Band 3kHz to 148,5kHz-Part 4: Filters at the Interface of the Indoor and Outdoor Electricity Network", CLC SC 105A (Secretariat), (May 1992), 1-11 "Summary of an IEEE Guide for Power-Line Carrier Applications", IEEE Transactions on Power Apparatus and Systems, (Nov/Dec 1980), 2334-2337 ABRAHAM, K C., et al., "A Novel High-Speed PLC Communication Modem", IEEE Transactions on Power Delivery, (Oct 1992), 1760-1768 BARSTOW, J M., "A Carrier Telephone System for Rural Service", AIEE Transactions, (1947), 301-307 CHANG, SS L., "Power-Line Carrier", Fundamentals Handbook of Electrical and Computer Engineering, Volume II-Communication, Control, Devices and Systems, (1983), 617-627 COAKLEY, N G., et al., "Real-Time Control of a Servosytem Using the Inverter-Fed Power Lines to Communicate Sensor Feedback", IEEE Transactions on Industrial Electronics, (1999), 360-369 HASLER, E F., et al., "Communication Systems Using Bundle Conductor Overhead Power Lines", IEEE Transactions on Power Apparatus and Systems, (Mar/Apr 1975), 344-349 LIM, C K., et al., "Development of a Test Bed for High-Speed Power Line Communications", School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore, IEEE, (2000), 451-456 NAREDO, J L., et al., "Design of Power Line Corrier Systems on Multitransposed Delta Transmission Lines", IEEE Transactions on Power Delivery, (1991),952-

EXAMINER In Jackson

DATE CONSIDERED

3-19-07